

Title (en)
AMINOMETHYLPYRROLIDINE DERIVATIVES HAVING AROMATIC SUBSTITUENTS

Title (de)
AMINOMETHYLPYRROLIDIN-DERIVATE MIT AROMATISCHEN SUBSTITUENTEN

Title (fr)
DERIVES AMINOMETHYLPYRROLIDINE POSSEDANT DES SUBSTITUANTS AROMATIQUES

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Application
EP 00907973 A 20000309

Priority
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• JP 6280699 A 19990310

Abstract (en)
[origin: EP1182202A1] This invention provides a quinolone derivative having potent antibacterial activity against various bacteria including drug-resistant strains which is a compound of the following formula wherein R<1> is an optionally substituted aromatic group, a salt of the same or a hydrate of both. <CHEM> In the formula, R<2>, R<3>: hydrogen atom, an alkyl group; R<4>, R<5>, R<6>: hydrogen atom, hydroxyl group, a halogen atom, carbamoyl group, an alkyl group, an alkoxy group, an alkylthio group; R<7>, R<8>: hydrogen atom, an alkyl group; R<9>: an alkyl group, an alkenyl group, a halogenoalkyl group, a cyclic alkyl group, an aryl group, a heteroaryl group, an alkoxy group having from 1 to 6 carbon atoms, an alkylamino group; R<10>: hydrogen atom, an alkylthio group; R<11>: hydrogen atom, amino group, hydroxyl group, thiol group, a halogenomethyl group, an alkyl group, an alkenyl group, an alkynyl group, an alkoxy group; X<1>: halogen atom, a hydrogen atom; A<1>: nitrogen atom, C-X<2>; X<2>: hydrogen atom, amino group, a halogen atom, cyano group, an halogenomethyl group, a halogenomethoxy group, an alkyl group, an alkenyl group, an alkynyl group, an alkoxy group; A<2>, A<3>: >C=C(-A<1>=)-N(-R<9>)-, >N-C(-A<1>=)=C(-R<9>)-; R<10> and R<9> or R<9> and X<2> may be integrated to form a ring structure; and Y: hydrogen atom, ester forming group.

IPC 1-7
C07D 401/04; **C07D 401/14**; **C07D 417/14**; **C07D 455/02**; **C07D 471/04**; **C07D 498/06**; **A61K 31/4375**; **A61K 31/4709**; **A61K 31/519**; **A61K 31/5383**; **A61K 31/44**; **A61K 31/435**; **C07D 405/14**

IPC 8 full level
C07D 401/14 (2006.01); **A61K 31/4709** (2006.01); **A61P 31/04** (2006.01); **C07D 401/04** (2006.01); **C07D 405/14** (2006.01); **C07D 417/14** (2006.01); **C07D 498/06** (2006.01)

CPC (source: EP KR US)
A61P 31/04 (2017.12 - EP); **C07D 401/04** (2013.01 - EP KR US); **C07D 401/14** (2013.01 - KR); **C07D 405/14** (2013.01 - EP KR US); **C07D 417/14** (2013.01 - KR); **C07D 498/04** (2013.01 - KR)

Citation (search report)
• [X] WO 9742954 A1 19971120 - UPJOHN CO [US], et al
• [X] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12 25 December 1997 (1997-12-25)
• [X] SCHINZER W C ET AL: "CHARACTERIZATION AND INTERCONVERSION OF POLYMORPHS OF PREMAFLOXACIN, A NEW QUINOLONE ANTIBIOTIC", JOURNAL OF PHARMACEUTICAL SCIENCES, AMERICAN PHARMACEUTICAL ASSOCIATION. WASHINGTON, US, vol. 86, no. 12, 1997, pages 1426 - 1431, XP000909869, ISSN: 0022-3549
• See references of WO 0053594A1

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